

7. The *job vacancy rate* is calculated by expressing the number of job vacancies as a percentage of the number of employees plus vacancies.

8. *Sector*. Public sector includes all local government authorities and government departments, agencies and authorities created by, or reporting to the Commonwealth and State Parliaments. All remaining employees are classified as private sector.

Historical series

9. The series was introduced in November 1983 when it replaced the job vacancies series based principally on information from payroll tax returns. Estimates contained in this publication are not strictly comparable with those obtained prior to November 1983 (see paragraph 2).

Reliability of estimates

10. As the estimates in this publication are based on information relating to a sample of employers rather than a full enumeration, they are subject to sampling variability. That is, they may differ from the figures that would have been produced if the information had been obtained from all employers. This difference, called *sampling error*, should not be confused with inaccuracy that may occur because of imperfections in reporting by respondents or in processing by the ABS. Such inaccuracy is referred to as *non-sampling error* and may occur in any enumeration, whether it be a full count or sample. Efforts have been made to reduce non-sampling error by careful design of questionnaires, detailed checking of returns and quality control of processing.

11. The sampling error associated with any estimate can be estimated from the sample results. One measure of sampling error is given by the *standard error* which indicates the degree to which an estimate may vary from the value that would have been obtained from a full enumeration (the 'true' figure). There are about two chances in three that a sample estimate differs from the true value by less than one standard error, and about nineteen chances in twenty that the difference will be less than two standard errors.

12. An example of the use of a standard error is as follows. If the estimated number of job vacancies was 55,000 with a standard error of 3,000, then there would be about two chances in three that a full enumeration would have given a figure in the range 52,000 to 58,000 and about nineteen chances in twenty that it would be in the range 49,000 to 61,000.

13. An example of the use of a standard error for a quarterly change estimate is as follows. If the estimated standard error for a quarterly change estimate of job vacancies was 500 and the change between two quarters was 3,000, then there would be about two chances in three that a full enumeration would have given a quarterly change estimate in the range 2,500 to 3,500 and about nineteen chances in twenty that it would be in the range 2,000 to 4,000.

Industry classification

14. Industry is classified according to the *Australian Standard Industrial Classification (ASIC) 1983 Edition, Volume 1—The Classification* (1201.0).

Seasonal factors

15. Job vacancy figures at different dates may be affected by seasonal influences. Publication of seasonally adjusted figures will not be possible until results of surveys for several years are available.

Related publications

16. Users may also wish to refer to the following publications which are available on request:

Information Paper: New Statistical Series: Employment, Average Weekly Earnings, Job Vacancies and Overtime (6256.0)

Overtime, Australia (6330.0)—issued quarterly

Average Weekly Earnings, States and Australia (6302.0)—issued quarterly

Employed Wage and Salary Earners, Australia (6248.0)—issued quarterly.

17. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The Catalogue and Publications Advice are available from any ABS office.

Unpublished statistics

18. In some cases, the ABS can also make available information which is not published. This information may be made available in one or more of the following forms: microfiche, photocopy, data tape, computer print-out or clerically-extracted tabulation. Generally, a charge is made for providing unpublished information. Inquiries should be made to the officer whose name appears in the *Phone Inquiries* section of the Inquiries box at the front of this publication, or to Information Services in the nearest ABS office.

Symbols and other usages

— nil or rounded to zero

* subject to sampling variability too high for most practical purposes

19. Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

Electronic services

VIATEL. Key *656# for selected current economic, social and demographic statistics.

AUSSTATS. Thousands of up-to-date time series are available on this ABS on-line service through CSIRONET.

For further information phone the AUSSTATS Help Desk on (062) 52 6017.

TELESTATS. This service provides foreign trade statistics tailored to users' requirements.

Further information is available on (062) 52 5404.

IAN CASTLES
Australian Statistician

TABLE 1. JOB VACANCIES(a): INDUSTRY, AUSTRALIA
(^{'000})

Industry	1986		1987				Standard error(b)
	15 Aug.	21 Nov.	20 Feb.	15 May	21 Aug.	20 Nov.	
Manufacturing	11.0	10.5	14.8	14.3	14.3	10.0	1.0
Basic and fabricated metal products, other machinery and equipment, transport equipment	(c)5.6	4.0	7.4	6.9	(c)7.8	4.4	0.6
Other manufacturing	5.5	6.6	7.3	7.4	6.5	5.6	0.8
Non-manufacturing—							
Electricity, gas and water	0.4	0.4	0.4	0.4	0.5	0.5	0.1
Wholesale and retail trade	8.7	9.1	12.1	10.5	(c)11.6	(c)12.3	2.5
Transport and storage; communication	1.3	(c)1.4	*	0.7	(c)1.2	1.6	0.3
Public administration and defence(d)	4.1	4.6	4.3	3.4	4.0	3.8	0.5
Community services	13.0	13.7	15.5	12.1	13.7	12.6	1.2
Other (e)	10.1	12.1	13.9	12.4	10.9	11.5	1.8
Total all industries	48.6	51.9	62.7	53.8	56.2	52.2	3.5

(a) For definitions see paragraphs 5 to 8. (b) Applicable to latest estimates of level and quarterly movements. See paragraphs 10 to 13. (c) Relative standard error greater than 20 per cent but less than 30 per cent. (d) Excludes permanent defence forces. (e) Includes Mining, Construction, Finance, property and business services and Recreation, personal and other services.

TABLE 2. TOTAL JOB VACANCIES(a): PRIVATE AND PUBLIC SECTORS, STATES AND TERRITORIES
(^{'000})

Reference date	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia
PRIVATE SECTOR									
1986—									
15 August	10.0	9.9	(b)3.2	(b)3.7	(b)3.5	(b)0.4	*	*	32.0
21 November	13.1	9.4	(b)4.0	2.9	(b)3.0	*	*	*	34.2
1987—									
20 February	15.5	14.3	(b)4.4	3.4	(b)4.5	*	*	*	43.9
15 May	12.5	14.0	(b)2.8	(b)2.8	(b)4.1	*	(b)0.4	(b)0.3	37.8
21 August	(b)15.2	13.1	(b)4.0	2.6	(b)3.7	*	*	*	39.9
20 November	16.5	8.3	(b)2.6	(b)2.3	(b)4.8	(b)0.5	*	*	36.3
Standard error(c)	2.8	1.3	0.5	0.5	1.2	0.1	*	*	3.4
PUBLIC SECTOR									
1986—									
15 August	8.6	3.0	1.2	0.5	1.0	0.4	0.2	1.6	16.6
21 November	8.6	3.3	1.3	0.5	1.2	0.4	0.4	1.8	17.7
1987—									
20 February	9.2	3.7	1.3	0.7	1.5	0.4	0.4	1.6	18.9
15 May	7.4	3.6	1.2	(b)0.7	1.4	0.3	(b)0.3	1.2	16.1
21 August	7.6	3.4	1.2	0.6	1.2	0.4	(b)0.5	1.4	16.3
20 November	7.2	3.0	1.6	(b)0.5	1.3	0.5	0.4	1.3	15.9
Standard error(c)	0.6	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.7
PRIVATE AND PUBLIC SECTORS									
1986—									
15 August	18.6	12.9	4.4	(b)4.3	4.6	0.7	(b)0.7	2.4	48.6
21 November	21.7	12.8	5.3	3.4	4.3	(b)1.1	(b)1.1	2.1	51.9
1987—									
20 February	24.7	18.0	5.7	4.1	5.9	(b)1.4	0.7	2.1	62.7
15 May	19.9	17.6	4.0	(b)3.5	5.5	(b)1.0	(b)0.7	1.6	53.8
21 August	22.9	16.5	5.2	3.1	4.9	(b)1.0	(b)1.0	1.6	56.2
20 November	23.7	11.3	4.2	2.8	6.1	1.0	(b)0.9	2.1	52.2
Standard error(c)	2.9	1.3	0.6	0.5	1.2	0.1	0.2	0.3	3.5

(a) For definitions see paragraphs 5 to 8. (b) Relative standard error greater than 20 per cent but less than 30 per cent. (c) Applicable to latest estimates of level and quarterly movements. See paragraphs 10 to 13.

TABLE 3. JOB VACANCIES(a), MANUFACTURING, STATES AND TERRITORIES
(' 000)

<i>Reference date</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Australia</i>
<i>1986—</i>									
15 August	3.6	(b)5.5	*	(b)0.8	*	—	*	*	11.0
21 November	3.1	(b)4.7	(b)1.1	(b)0.7	*	*	—	—	10.5
<i>1987—</i>									
20 February	3.7	(b)7.6	(b)1.2	(b)1.1	*	*	—	*	14.8
15 May	4.5	(b)6.9	(b)0.8	0.5	*	*	*	*	14.3
21 August	(b)4.1	(b)7.7	*	(b)1.0	*	—	—	—	14.3
20 November	3.9	3.8	*	(b)0.6	*	*	—	*	10.0
<i>Standard error(c)</i>	0.7	0.5	*	0.1	*	*	—	*	1.0

(a) For definitions see paragraphs 5 to 8. (b) Relative standard error greater than 20 per cent but less than 30 per cent. (c) Applicable to latest estimates of level and quarterly movements. See paragraphs 10 to 13.

TABLE 4. JOB VACANCY RATES(a), STATES AND TERRITORIES
(per cent)

<i>Reference date</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Australia</i>
<i>1986—</i>									
15 August	1.0	0.9	(b)0.5	0.8	0.9	0.5	(b)1.3	1.9	0.9
21 November	1.1	0.9	0.6	0.7	0.9	(b)0.7	(b)2.0	1.7	0.9
<i>1987—</i>									
20 February	1.3	1.2	0.7	0.9	1.2	(b)1.0	1.4	1.7	1.1
15 May	1.1	1.2	0.5	(b)0.7	1.1	(b)0.7	1.5	1.3	1.1
21 August	1.2	1.1	0.6	0.7	0.9	(b)0.7	(b)1.9	1.4	1.0
20 November	1.2	0.8	0.5	0.6	1.2	0.7	(b)2.0	1.8	1.0
<i>Standard error(c)</i>	0.1	0.1	0.1	0.1	0.2	0.1	0.4	0.3	0.1

(a) For definitions see paragraphs 5 to 8. (b) Relative standard error greater than 20 per cent but less than 30 per cent. (c) Applicable to latest estimates of level and quarterly movements. See paragraphs 10 to 13.